

FDP Electronic Research Administration: SciENcv Adoption

January 13, 2021

Electronic Research Administration (eRA) Committee

• Purpose:

- Update you on Federal agency activities with regard to SciENcv
- Stimulate discussion and thinking about how the research community can further adopt this resource

Speakers:

- Bart Trawick (NCBI/NIH); Director, Customer Services
 Division
- Michelle Robbs (DIS/NSF); IT Project Manager

• Panelist:

Jean Feldman (DIAS/NSF); Head, Policy Office



Adoption Survey

- My institution is not adopting SciENcv because we have other preferred options
- My institution has not adopted SciENcv; researchers can use it if they like
- My institution is considering adoption, but there is something blocking it
- My institution is considering SciENcv adoption, and would support researchers in transitioning to it
- My institution has adopted SciENcv, and is supporting researchers in transitioning to it

SciENcv Update

Federal Demonstration Partnership, 13 January 2021

Bart Trawick, PhD



SciENcv = Science Experts Network Curriculum Vitae

Use your data from multiple systems to support funding applications, reporting, and collaboration with less burden and complexity







Leverage Data Track Impact

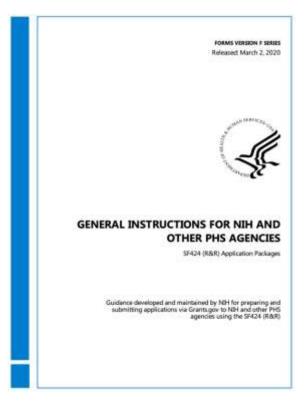
Current Features

NIH biosketches, NSF biosketch, NSF Current and Pending Support, Dept. of Ed. IES biosketch Integration with ORCID, Fastlane, PubMed/PMC, and eRA Commons

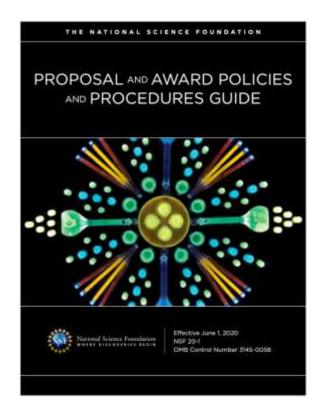
http://www.ncbi.nlm.nih.gov/sciencv



Reduce dependency on agency administrative guidelines



NIH SF424 Application guide, 310 pages

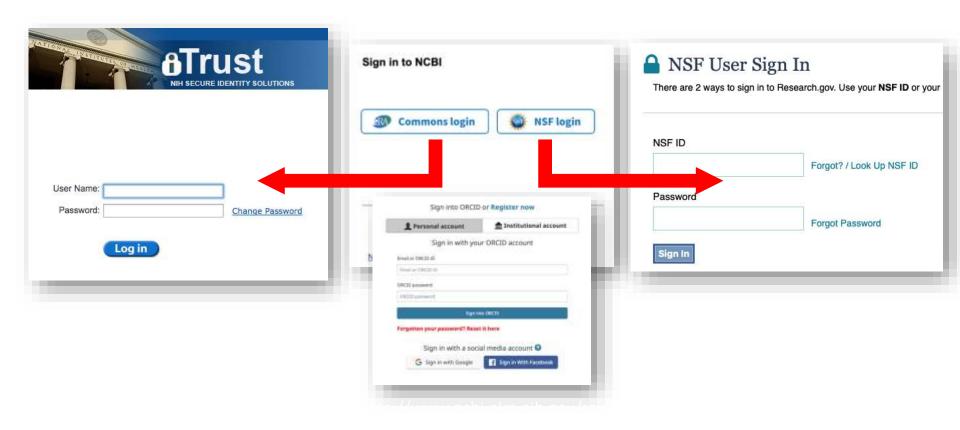


NSF Proposal and Award Policies and Procedures Guide, 185 pages





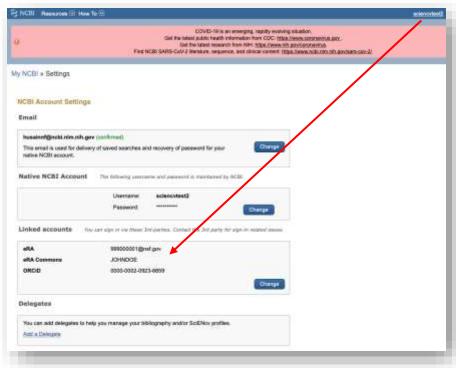
Applicants can use existing agency accounts





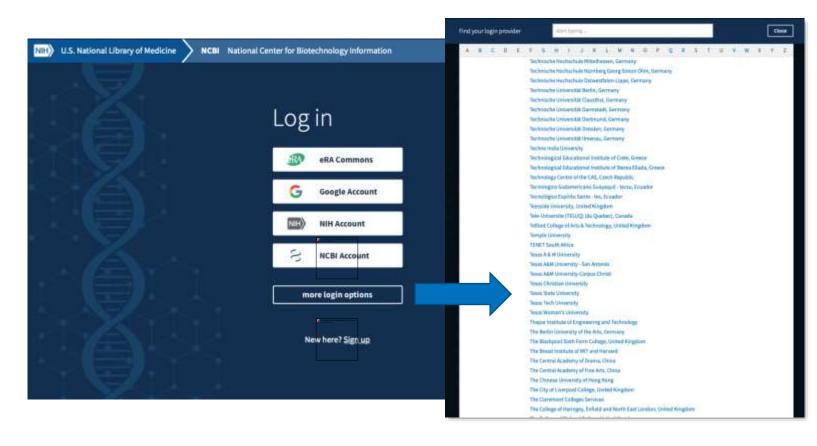
Applicants can use *multiple* agency accounts







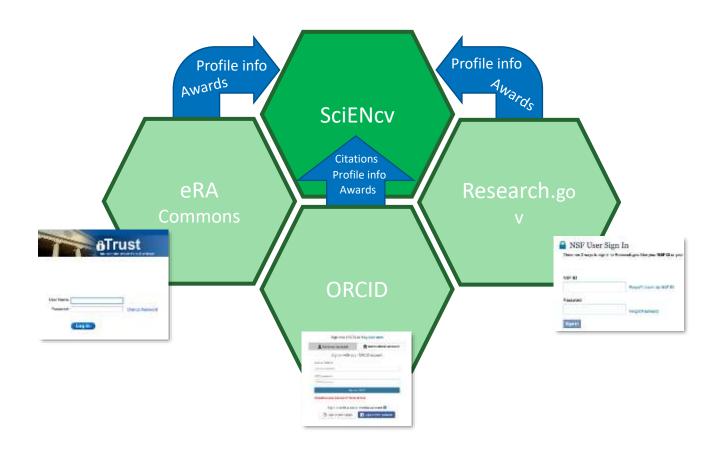
Local NCBI authentication to be phased out in 2021



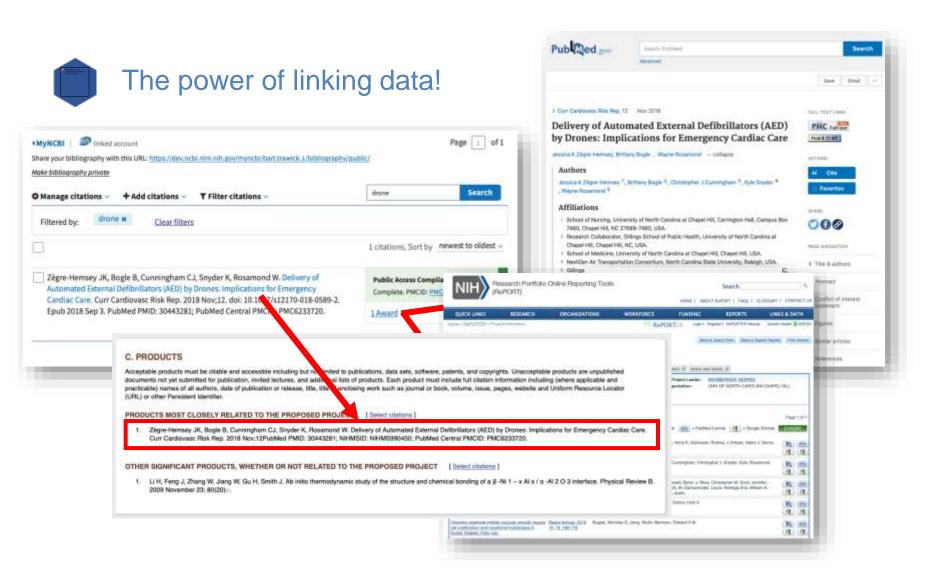




Applicants can leverage existing data



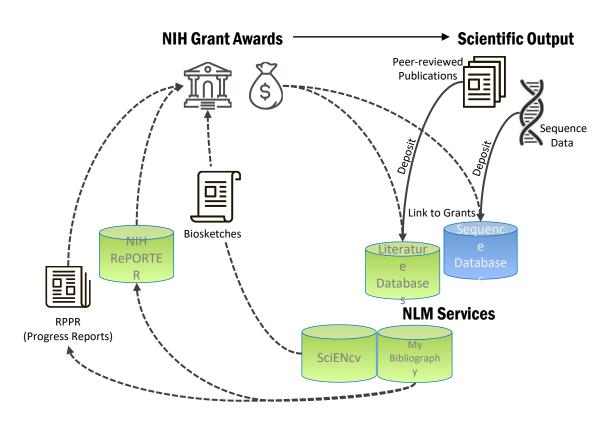








Support NIH Policy and Return On Investment

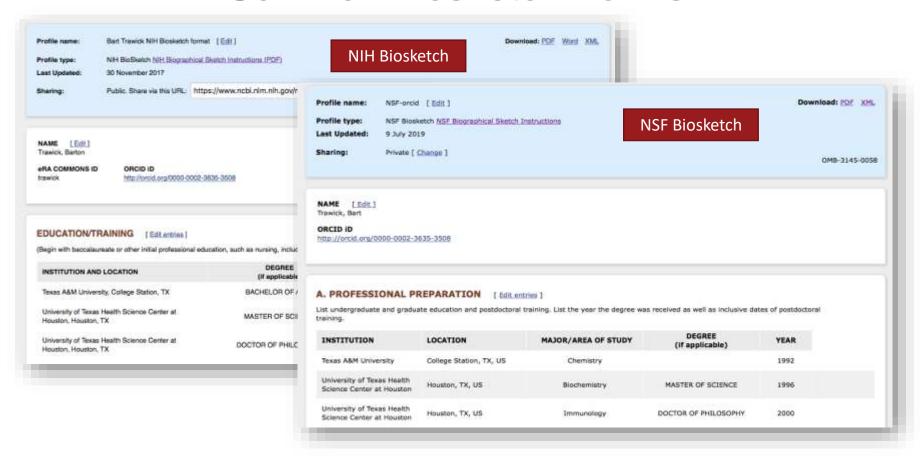


...ensure a continued high return on the public investment in research.





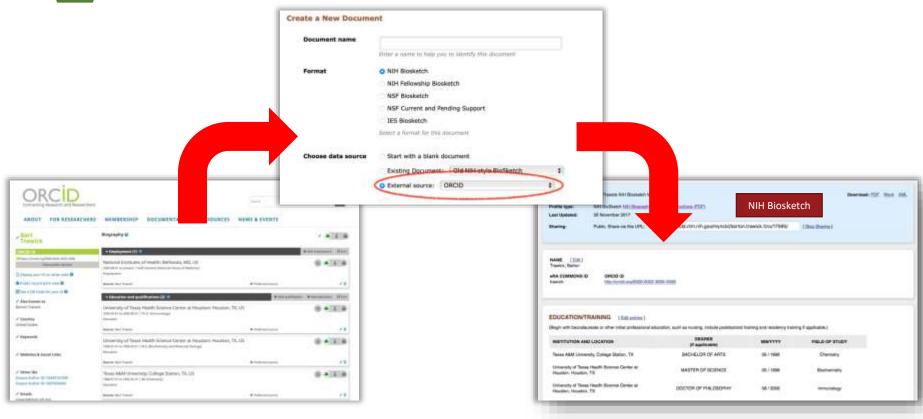
SciENcv Biosketch Forms



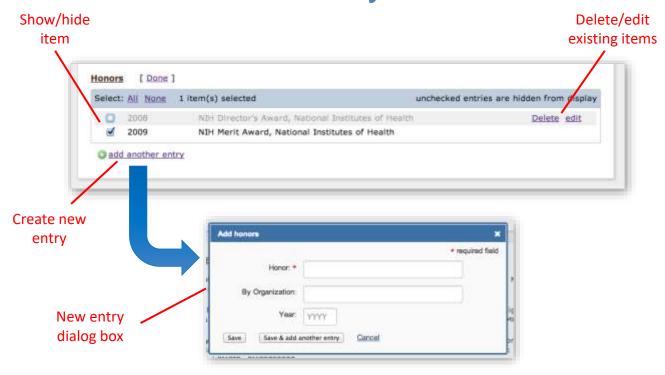




Pre-populate from Commons or ORCID



Control over your data



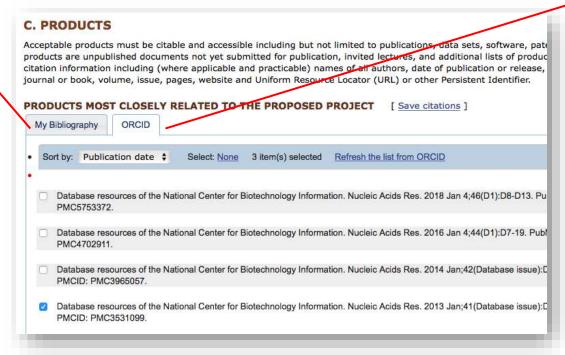




Using citations with SciENcv biosketches

My Bibliography Collection

ORCID data feed





Using citations in SciENcv: large author lists

Acceptable products must be citable and accessible including but not irrelad to publications, data sets, software, patents, and copyrights. Unacceptable products are unpublished documents not yet submitted for publication, invited lectures, and additional hets of products. Each product must include full obtation information including (where applicable and practicable) names of all outflors, date of publication or releage, this, tribs of exclusing ware such a journal or book, volume, letue, pages, website and Uniform Resource Locator (URL) or other Persistent Identif

PRODUCTS MOST CLOSELY RELATED TO THE PROPOSED PROJECT. [Initial Initials]

- Stableweer H, Guiter L, Hershberger J, Sedel R, Share M, Soourink S, Weld E. Implicitly representing Computational Geometry. 1993 October 1; 4(5):432-466. Available Feor: http://onc.springer.com/16.16
- Scott RA, Liggar V, Wetch RF, Wissense E, Handanuer ME, Luce J, Mily R, Strandontor RJ, Retrology E. Lection C, Stungo D, Karva B, Balanc C, Johnson PC, Juberro JM, Jutinson T, Rabajan A, Verweij N, Tho Semblad B, Geiger C, Sale R Penta M, Timpoon NJ, Euger DM, Huango RS, Wu Y, Andrews M, Hu J, Mr O'Connell St, Stirrupt K, Vitart K, Hayward C, Esko T, Mhallov E, Fosser SM, fell T, Volght SF, Raychaudh Robertson M, Rybin D, Liu CT, Beckmann JS, Willems SM, Chines PS, Jackson AU, Kang HM, Stringham H Müller-Hansoyid M, France-Consolda A, Folkerson L, Harstle L, Jansen H. Oddhinkol AJ, Bruinenberg I S, Varge TV, malmans G. Oksa H, Antensita H, Negoraja R, Trempet S, Ford J, Bakker SJ, Kong A, Kamu Arth I, Marigne M, Small R, Mijhonic I, Liu Y, Alake M, Kless W, James AL, Bleadeners F, Ulticrinder Canobiel S, Palasak D, Bonnycastie LL, Hentberg S, Dimitriou M, Bolton X, Fowles CR, Rovacs F, Lind Bathram M, Goderf M, Wahr M, Nobel ME, Bohns RC, Feles A, Familiaire PF, Frysing MA, Social C CE Favial M, Stamoli M, Ferrarii I, Waterworth DM, Berginan RS, Colina FS, Tunnistas I, Retarate RM, C Posty SM, Vellemender P, Wilson JF, Wright AE, Hollingh GK, Mittgallu A, Usaltupa M, Hagnusian PE, Kyot GETE Meneton P, Lind L, Boehnka M, Shuldher AE, van Duigh CM, Harris AD, Toegas A, Payser MA, deliby JR, N Schwarz PE, Lakko TA, Reummas N. Appr LS, Smith GD, Spector TD, Illig T, de faire LL mametan A, Gud SPA, Saaristo TE, Boorsama DE, Stefansson K, van der Hardt P, Dupuis J. Pederson hi Harbler KJ. Balless B. Froquel P. Osute A. Larvelin HS. Mareham MJ. Bauetia Sari N. McCarthy HC. Prants. sological palitycays. Nat Genet. 2013 Sept. 64(9): 991-1005. Pusition PRID: 22889924; NEHRID: 192
- H. Ngwa SS, Notte IM, Paternoster L. Pachilvenis S. Persia H. Paters HJ. Presss H. Rose LM, Ski J. Shi A, Trip MD, Tyrer J, Van Vliet-Unteptchouk TV, Vanderput L, Weite LL, Zhao Jir, Absher D, Ao Bellin J. Bunnycedio (L. Brankrilo P. Brumovberg H. Campbell H. Chasman Df. Chines PS. Cachra PS. Co. Ceminiou M., Editino S, Falrada E, Ruero DR, Renull M, Fervano PM, Fervines J, Franke L, France L, Copra-Itali F, Halfstainen AL, Hayword C, Heard-Costa NJ, Heath AC, Hetebrand J, Horschi D, No FB, Hurt SE. Basia, Kättämer Pf, Kothorstan S, Krei F, Khee KT, Kleimildi Pf, Koreng W, Kraja RT, Kantani Pf, Kuutanna Laurer LL, Lied L, Lindström J, Lis J, Liuzzi A, Lokel PfL, Lometton M, Hadden PR, Hagrussian PE, Hars Hediand SE, Mitaliov E, Milani L, Hongomery GW, Mossor V, Hühlelam TW, Hunne FB, Husk AW, Natio SA, Febrer CN, Palotie A, Paden JF, Pedensen M, Peters A, Possek D, Houto A, Promoteller FF, Frokoperik

Van der Klauer RRI, van Meurs 28, Vernesylen SH, Vilkan J, Virtame J, Vilkat V, Waster G, Word J, Wolde E, Wild SH, Willemann G, Weitsteran RR, Willemann JC, Wolfferduiltel RH, Wong A, Wright AF, Zillikens RC, Ameupel P, Beeton BD, Beanventole B, Beanvena DT, Cauthell RD, Chancell SJ, Cauthell RD, Chancell RD, Chanc Class ID, Declarated GM, Boldmann, J., Millander, MR. Franks MR. Franks P. Genner C. Goldensten, U. Harvatter A. Harvat TR. Harvatteriber, C. Hicks AA. Histories A. may A. Hofman A. Hovingti XX, Hyenot S., Elig T. Jarosto MR., Biobal RN., Narration-Klakaporison SM, Klemoney LA, Kah D., Laskec M., Letterski Levinson DE Martin NG, Hassaulu A. Piorris AD, Warnings RG, Naderad L. Oblisson C. Didebbrish AL, Ouwehard WH, Pairrer L.J. Penning B. Power C. Province HA, Posty DM, QLL, Rausmas R, Bicker FM, Rigatti S, Salomay V, Samani At, Snieder H, Samenan TI, Spettor TD, Statismann R, Tarque A, Tuomiento J, Ulterfinden AS, Justiapa M, van der Harnt P, Volkenweiter R, Walleschofeld H, Wanstam KJ, Wolfenson HE, Wickmann HE, Wilson JF, Apocasa GS, Asstras TL, Barrese I, Bochess M, Barobi IB, Debokes R Par CS, Fraying T, Groop LC, Hartuman T, Hard JM, Hunter D, Kaplan AC, Karpe K, Moffett HT, Markin KL, D'Connell JB, Newton Y, School EE, Schlossinger D, Steinthorsdottir Y, Stracher DP, Thorstoinsdottir U, von Bulyin CM, Visiother PM, Di Blook AM, Hinahler 29. Undgree CM, Morte AF, Mayre O, Scherag A, McCarthy ML, Spolados EK, North KD, Loos RL, Ingelson E. Denorse-aide natio analysis bleeffes ET need to it for antifergements: trads and provides into generic architecture. Nat Seriel. 2013 May 15(5):101-13. PubMed PMIS: 22863607; NSMBED ADMINISTRAÇE; PLAMAS CHIRAL PRICED: PMC3873018.

NSF Policy requires that each biographical sketch be no longer than two (2) pages unless otherwise specified in a solicitation.

It is the responsibility of the submitter to ensure compliance with the two (2) page maximum.

Close

THE PROPOSED PROJECT | Select citations |

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> , Montasser ME, Luan J, Mägi R, Strawbridge RJ, Rehnberg E, Gustafsson S, C. Johnson PC, Jukema JW, Johnson T, Mahajan A, Verweij N, Thorleifsson Timpson NJ, Evans DM, Pourcain BS, Wu Y, Andrews JS, Hui J, Bielak LF, 2h

A. Anademie S. John J. Santon S. Panis A. Panis

NSF BIOGRAPHICAL SKETCH

NAME: test2, sciency SF ID: 999000001 Evef ges BCID: 9900-9002-9923-6859 OSITION TITLE & INSTITUTION:

a) PROFESSIONAL PREPARATION OWNERS | LINCATEUR MARCH LABOR OF STICEN TITY

III APPOINTMENTS

PRODUCTS

reducts Most Closely Related to the Proposed Project

Edulahranner H., Gulban L., Heraltherger J., Seidel R., Sharir M., Snoryick J., Weltel E. Implicitly representing arrangements of lines or segments. Discrete & Computational Geometry 1989 October 1; 4(5):433-466. Available from: http://link.springer.com/10.1007/8092187742 DOI: 10.1007/08/02187742

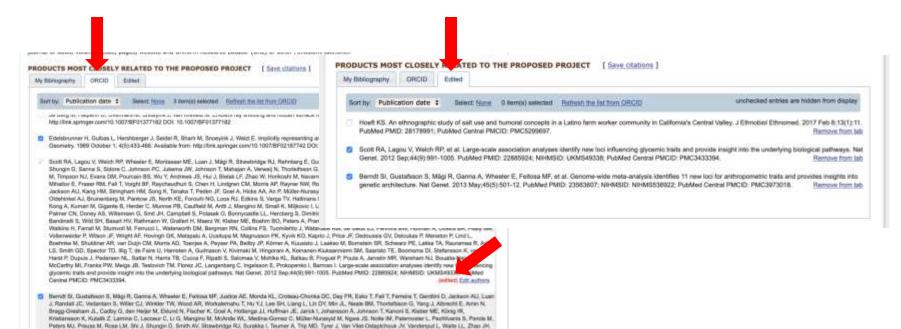
Scott RA, Lagoe V, Welch RP, Wheeler E, Meetwart ME, Laun J, Migt R, Strawbridge RJ. Rebiberg E, Gustafison S, Kanoni S, Rasmussen-Torvik LJ, Yengo L, Leconur C, Shungis D, Sums S, Sidore C, Johnson PC, Jukerus JW, Johnson T, Mahajan A, Verweij N, Thorleifison G, Hottenga JJ, Shah S, Smith AV, Sensblad H, Gieger C, Sulo P, Perelo M, Yonpson NJ, Evans DM, Pourcain BS, Wu Y, Andrews JS, Hus J, Biglisk LF, Zhao W, Horikoshi M, Navarro P, Issues A, O'Connell JR, Stirrags K, Vitart V, Hayward C, Usko T, Mihailov E, France RM, Full 7, Voight BF, Raychaudhari S, Chen H, Lindgren CM, Morris AP, Rayner NW, Robertson N. Rybin D, Lio CT, Beckmann JS, Willnes SM, Chines PS, Jackson AU, Kang HM, Stringham HM, Song K, Tanaka T, Poden JF, Goel A, Hicks AA, An P, Müller-Nurasyid M, Franço Cerepada A., Folkornen L., Manallo-L., Jansen H., Oldebinkel AJ, Bruinenborg M, Pankow JS, North K.E., Forestii N.G., Loos R.I., Edicins S., Varga TV., Halbrans G., Oksa H., Autonella M., Nagoraja R. Trompet S. Ford I, Bakker SJ, Kong A. Kumari M, Gigorte B, Herder C, Munroe PB, Caulfield M, Anti J, Mangino M, Small K, Miljkovic I, Lie Y, Atalay M, Kiess W, Junes AL, Rivadencius P, Llitterfinden AG, Painter CN, Doney AS, Willemann G, Smit Ht, Campbell S. Polasek O. Bonnycastic LL., Hercherg S., Direttriou M., Bolton JL., Fowkes GB., Kovacs P. Lindström J, Zennuck T, Handinelli S, Wild SH, Basut HV, Rothmurn W, Graffort H, Maerz W, Klober ME, Boehin BO, Peters A, Pranstaller PP, Province MA, Borocki IB, Hastie ND, Radon L Campbell H, Wolkins H. Famall M, Stanwell M, Ferrocci L, Waterworth DM, Bergman RN, Collins FS, Transidobio J, Watsoube RM, de Gesa EJ, Pennine BW, Hofman A, Gustra BA, Psaty BM, Volkroweider P, Wilson JF, Wright AF, Hovingh GK, Metopala A. Unittupo M, Magrasson PE, Kyvík KO, Kaprio J, Prior JF, Dedoussis GV, Deloukas P, Menetan P. Lind L., Boehnke M., Shahdmer AR, van Dujn CM, Morris AD, Toenjes A, Peyser PA, Beilby JP, Kömer A, Kussisto J, Laskso M, Bornstein SR, Selwart PE, Lakka TA, Rauruman R, Adair LS, Smith GD, Specier TD, Illig T, de Faire U, Hamsten A, Gudsassen V. Kivirniki M, Hingurum A, Keinaran-Kiukantriami SM, Saarieto TE, Boomuna DE, Stefanson

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Using citations in SciENcv: large author lists







5-page

limit

SciENcv outputs PDFs in agency-approved formats

NIH Biosketch OMB No. 0025-0001 umil 8025-0002 (flee: 0017 Approved Through 00/01/2020) BIOGRAPHICAL SKETCH Promisition halously information for the Sententiny personnel and other applicant contributions. Police this format for each person, DO NOT EXCESS FIVE PAGES. eRA COMMONS USER NAME (credental, e.g., agency login): POSITION TITLE: Director, Gustomer Services Divators EDUCATION/TRAINING (Begin with baccataureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Additiolists rows as necessary.) INSTITUTION AND LOCATION DEGREE | END DATE FIELD OF STUDY (Fapplicable) MM/YYYY Texas A&M University, College Station, TX 05/1992 Chambatry University of Texas Health Science Center, Houston, TX MS 05/1996 Biochemistry University of Texas Health Science Center, Houston, TX 07/2000 Immunology A. Personal Statement I work to promote access to government-funded science and great user experiences. 1. Database resources of the National Center for Biotechnology Information, Nucleic Acids Res. 2018. Jan 4:46(D1):D8-D13. PubMed PMID: 29140470; PubMed Central PMCID: PMC5753372. 2. Database resources of the National Center for Biotechnology Information, Nucleic Acids Res. 2016 Jan 4;44(D1):D7-19. PubMed PMID: 25615191; PubMed Central PMCID: PMC4702911. 3. Database resources of the National Center for Biotechnology Information, Nucleic Acids Res. 2015. Jan: 43(Debbase Issue):D6-17. PubMed PMID: 25356006; PubMed Central PMCID: PMC4383943 B. Positions and Honors Positions and Employment 2002 - 2005 Staff Scientist, Bookshelf project, National Center for Biotechnology Information, Betheada, MD 2005 - 2009 Project Supervisor, NHMS, National Center for Biotechnology Information, Betheada, 2009 - 2017 Public Services Section, National Center for Biotechnology Information, Bethesda, MD 2017 -Director, Customer Services Divolon, National Center for Biotechnology Information, Other Experience and Professional Memberships Honors NLM Special Achievement Award, National Library of Medicine 2004 2008 National Institutes of Health Director's Award, National Institutes of Health

NLM Special Achievement Award, National Library of Medicine

NLM Special Achievement Award, National Library of Medicine

National Institutes of Health Merit Award, National Institutes of Health

NSF Biosketch

NSF BIOGRAPHICAL SKETCH NAME: Trawick, Burt ORCID: 0000-0002-3635-3508 POSITION TITLE & INSTITUTION: Staff Scientist, National Indinner of Health (a) PROFESSIONAL PREPARATION of applica TYYY College Texas A&M University 1992 BA University of Texas Health Science Houston, TX Biochemistry 1996 Center at Houston University of Texas Health Science 2000 PHD Center at Houston (b) APPOINTMENTS Staff Scientist, National Institutes of Health, National Library of Medicine, 2000 -Bethrada, MD Products Most Closely Related to the Proposed Project 1. Kmeriuk LB, Krawczak PS, Machado FP, Papinski (AD, Martini TF, Teider-Junior Pf, Serpe MCA, Barbieri ARM, Bach RVW, Barne-Filho IR, Lipinski LC, P Dos Santos A, Labruma MB, Bionde AW. Ticks and serousivey of anti-Rickettsis upp. antibodies in wild boars (Sus scrofs), hunting dogs and hunters of Brazil, PLoS Negl Trop Dis. 2019 May;13(5):e0007405. PubMed PMID: 31145746; PubMed Central PMCID: PMC6542515. 2. Stepkowski SM, Kirken RA, Nagy ZS, Trawick BW, Wang M, Tejpal N, Wang ME, Tian L. Clark J. Kahan BD. The role of Stat5 in the induction of regulatory T calls in transplantation tolerance. Transplant Proc. 2001 Nov-Dec;33(7-8):3835-6. PubMed PMID: 11750614. 1. Database Resources of the National Center for Biotechnology Information, Nucleic Acids Res. 2017 Jun 4;45(D1):D12-D17. PubMed PMID: 27899561; PubMed Central PMCID: Other Significant Products, Whether or Not Related to the Proposed Project Coursess NP, Sittampolars GS, Guba R, Brimacombe K, Grossman A, Chung TDY, Weidner JR, Riss T, Trask OJ, Auld D, Dahlin JL, Devanaryon V, Felev TL, McGee J, Kahl SD, Kales SC, Arkin M, Buell J, Bejcek B, Gul-Edd N, Glickman M, Haas JV, Iversen PW, Hoeppoor M, Lathrop S, Sayers E, Liu H, Trawick B, McVey J, Lemmon VP, Li Z, McManus O, Minor L, Napper A, Wildey MJ, Pacifici R, Chin WW, Xia M, Xu X, Lal-Nag M, Hall MD, Michael S. Inglass J, Simemov A, Austin CP. Assay Guidance Manual: Quantitative Biology and Pharmacology in Preclinical Drug Discovery. Clin Transl Sci. 2018 Sep;11(5):461-470. PubMed PMID: 20077628; PubMed Central PMCID: PMC6132360. 2. Database resources of the National Center for Biotechnology Information, Nucleic Acids Res.

2018 Jan 4;46(D1):D8-D13. PubMed PMID: 29140470; PubMed Central PMCID:

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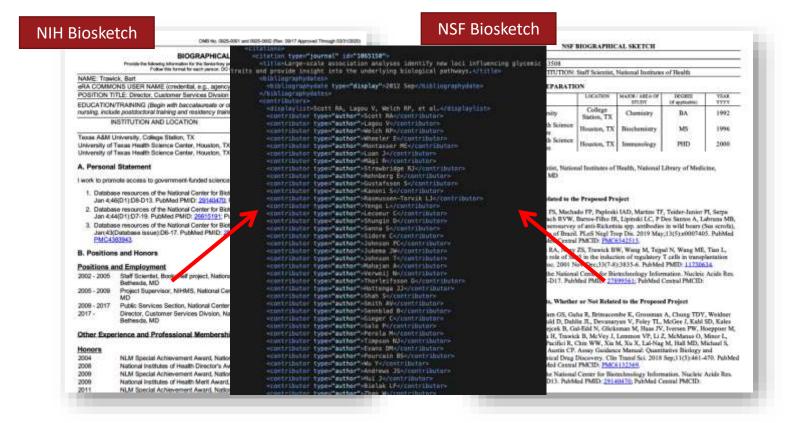


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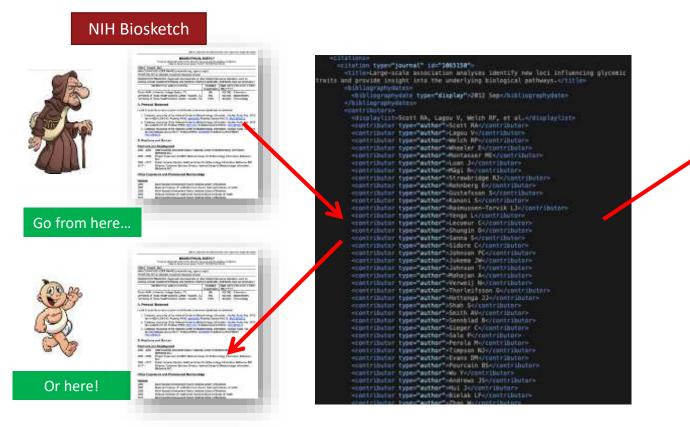
SciENcv Biosketch Output







SciENcv has a common data model: copy data to another format



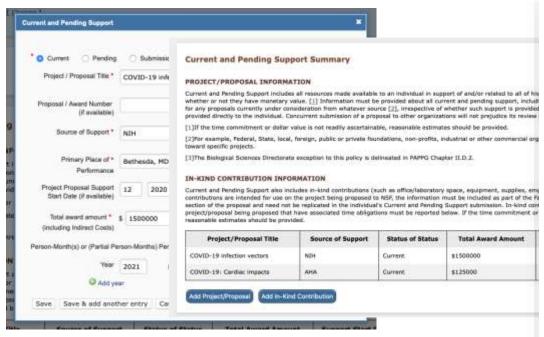
NSF Biosketch



To here!

SciENcv: NSF Current & Pending Support

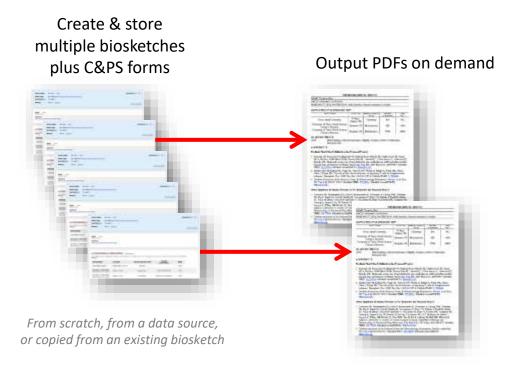
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SciENcv Features

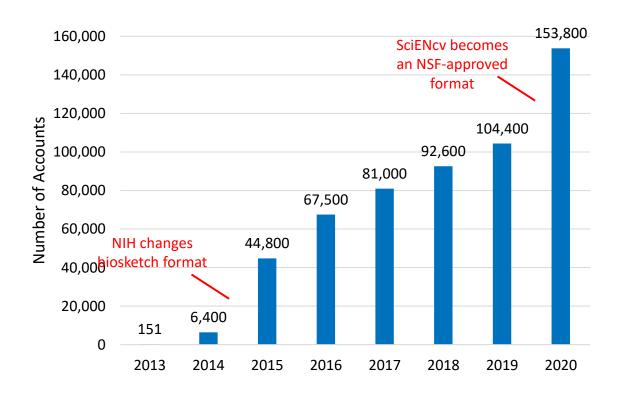


Have a delegate manage accounts





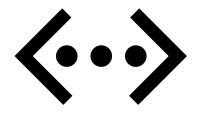
SciENcv growth



SciENcv, by the numbers



278,000 Documents generated



Account linkages 60,000 Commons 47,000 ORCiD 18,000 NSF



24,000 Public Biosketches

As of 1/12/2021

More information

SciENcv is available at: SciENcv video overview:

http://www.ncbi.nlm.nih.gov/sciencv http://youtu.be/PRWy-3GXhtU

SciENcv for NSF Users: Biographical Sketches:

https://youtu.be/nk7qlbele0k

SciENcv for NSF Users: Current and Pending Support

https://youtu.be/bhWQYvEEtJs

SciENcv questions/feedback: info@ncbi.nlm.nih.gov

NSF Login and usage questions: 1-800-381-1532 or rgov@nsf.gov

NSF Policy questions: policy@nsf.gov



My NCBI documentation:

http://www.ncbi.nlm.nih.gov/books/NBK3843/

NSF Update on the Biographical Sketch and Current & Pending Support Approved Formats

January 2021

Background

- Beginning October 5, 2020, the requirement for PIs and Senior Personnel to submit Biographical Sketches and Current & Pending Support using an NSF-approved format (SciENcv or NSF Fillable PDFs) was enforced in the following systems:
 - FastLane, Research.gov proposal submission
 - Project Reports upon upload
 - Grants.gov after receipt at NSF
- Biographical Sketch and Current & Pending Support documents not in an NSF-approved format trigger a compliance error preventing proposal submission or completion of the postaward action.

MONTH	NSF CVs ON SCIENCV	C&PS documents ON SCIENCV
Sep 2020	917	453
Oct 2020	3865	2106
Nov 2020	4909	3874
Dec 2020	3155	2313

Common NSF Fillable PDF User Support Issues

Form	Issue	Frequency	Guidance/Resolution
C&P Support PDF	Extra/blank pages for C&P Support	High	Proceed w/ submission of extra pages orPrepare in SciENcv
BioSketch PDF	Allotted space does not flex to fit 5 product citations	High	 Modify product citations to fit the space allocated (use of et al, remove URLs, etc) Prepare in SciENcv
C&P Support PDF BioSketch PDF	Errors when attempting to view previously uploaded PDF documents in FastLane and Research.gov Note: Due to the number of PDF preparation tools available, NSF cannot monitor or control which software was used to populate or save fillable PDFs and some cause PDF generation failures	Medium	 Updated PDF generation tool version (iText) to reduce instances of these issues (November 2020) Prepare in SciENcv
BioSketch PDF	POLICY QUESTION: 2-page BioSketch Limit Is Not Enough Space	Medium	- The 2-page limit is enforced per NSF Policy
C&P Support PDF BioSketch PDF	The PI used a PDF Preparation Tool that altered the data being validated by NSF systems	Low	Prepare documents usingAdobe ReaderPrepare in SciENcv

Note: evaluation of potential changes to the NSF Fillable PDFs for BioSketch and C&P Support documents are underway

Common SciENcv User Support Issues

Form	Issue	Frequency	Resolution
C&P Support	POLICY QUESTION: Cannot include support for which there are no person months committed	Medium	 Individuals should only include projects to which they are committing time
C&P Support	POLICY QUESTION: How should PIs document months committed for sources of support/in-kind contributions that operate on a fiscal year calendar? Ex: if your fiscal year is September 2019 through August 2020	Medium	 PIs should enter the later of the two years in the "Year" field if operating on a FY calendar NCBI is evaluating potential FY specific enhancements
BioSketch	Imported ORCid citations are long and result in documents more than 2 pages	Medium	 Manually edit citations to list one or more of the authors and then "et al" Update/remove long URLs

Common SciENcv User Support Issues

Form	Issue	Frequency	Resolution
BioSketch	Order of appointments not as expected due to concurrent appointments	Low	- Select "Use this entry as the position title and current employment" for the appointment you wish to list first
BioSketch	Special characters in product citations (e.g. subscript, superscript, Greek letters) are not included in the SciENcv generated PDF as expected	Low	 NCBI is evaluating potential enhancements